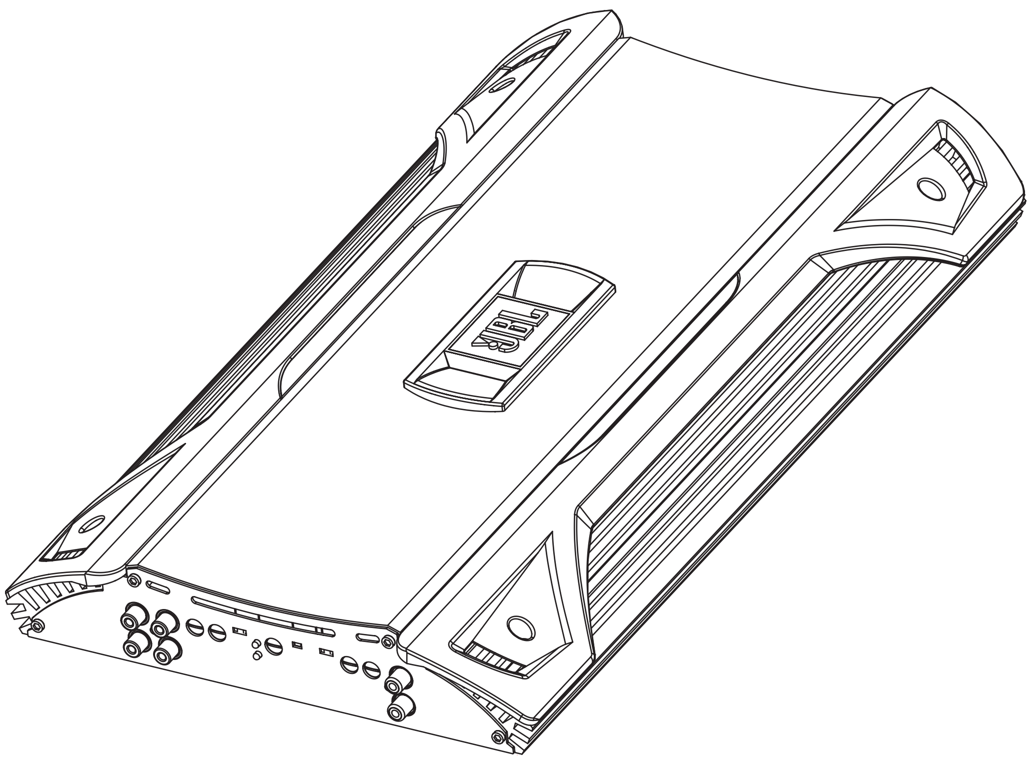


GTO1004

OWNER'S MANUAL

BEDIENUNGS-
ANLEITUNG

MODE D'EMPLOI

MANUAL DE USO

HANDLEIDING

MANUALE UTENTE

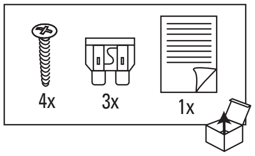
ANVÄNDAR-
HANDBOK

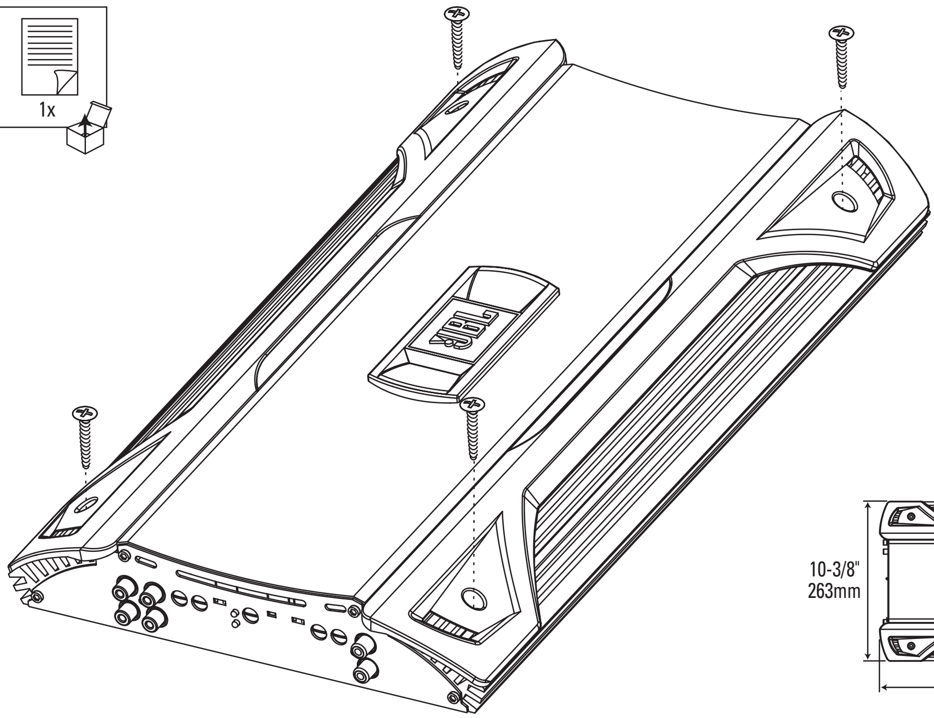
BRUGSVEJLEDNING

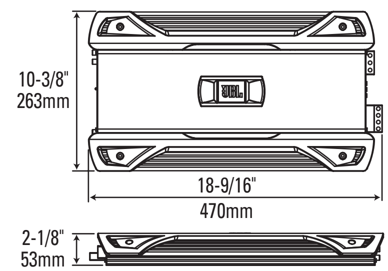
OMISTAJAN
KÄSIKIRJA

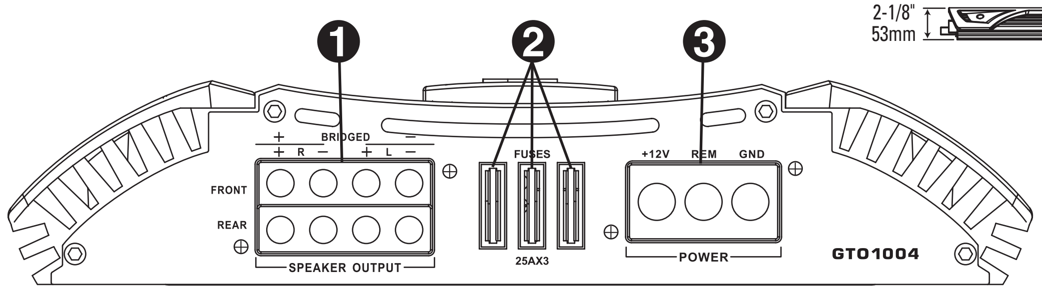
PODRĘCZNIK
UŻYTKOWNIKA

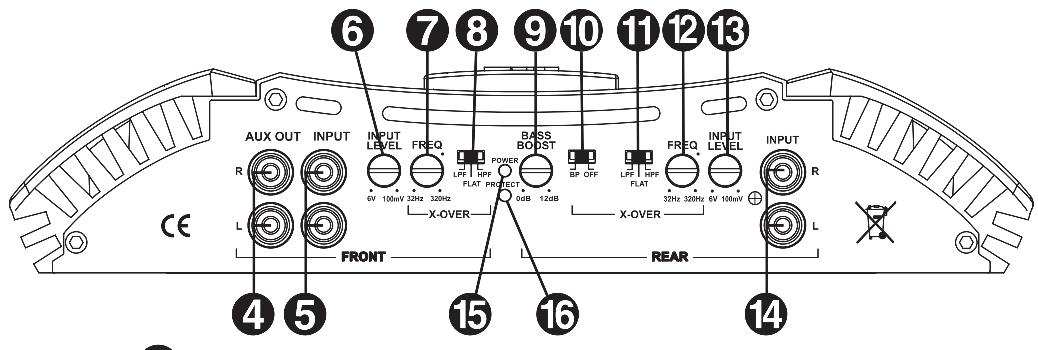
РУКОВОДСТВО
ПОЛЬЗОВАТЕЛЯ

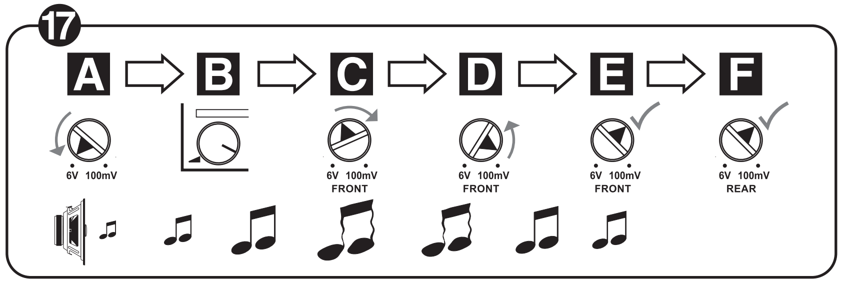

4x
3x
1x

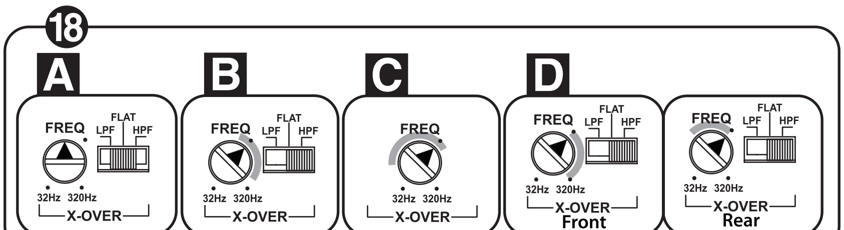



10-3/8"
263mm
18-9/16"
470mm
2-1/8"
53mm


1
2
3
BRIDGED
+ R – + L –
FRONT
REAR
SPEAKER OUTPUT
FUSES
25AX3
+12V
REM
GND
POWER
GTO1004


6
7
8
9
10
11
12
13
AUX OUT
INPUT
INPUT LEVEL
FREQ
BASS BOOST
FREQ
INPUT LEVEL
INPUT
R
L
6V 100mV
32Hz 320Hz
LPF HPF
FLAT
X-OVER
POWER
PROTECT
0dB 12dB
BP OFF
LPF HPF
FLAT
X-OVER
32Hz 320Hz
6V 100mV
FRONT
REAR
4
5
15
16
14


17
A
B
C
D
E
F
6V 100mV
6V 100mV
FRONT
6V 100mV
FRONT
6V 100mV
FRONT
6V 100mV
REAR


18
A
B
C
D
FREQ
FLAT
LPF HPF
32Hz 320Hz
X-OVER
FREQ
FLAT
LPF HPF
32Hz 320Hz
X-OVER
FREQ
32Hz 320Hz
X-OVER
FREQ
FLAT
LPF HPF
32Hz 320Hz
X-OVER
Front
FREQ
FLAT
LPF HPF
32Hz 320Hz
X-OVER
Rear

GTO1004 CAR AUDIO POWER AMPLIFIER OWNER'S MANUAL

Installation Warnings and Tips

- Disconnect the negative (–) lead from your vehicle's battery.
- At the installation sites, locate and make a note of all fuel lines, hydraulic brake lines, vacuum lines and electrical wiring. Use extreme caution when cutting or drilling in and around these areas.
- Choose a safe mounting location away from moisture.
- Make sure there is sufficient air circulation at the mounting location for the amplifier to cool itself.
- Mount the amplifier, using the supplied hardware.

Specifications

- 100W RMS x 4 channels @ 4 ohms and ≤1% THD + N*
- 150W RMS x 4 channels @ 2 ohms and ≤1% THD + N*
- THD + N: 0.05% (rated power @ 4 ohms)
- Signal-to-noise ratio: 85dB (reference 1W into 4 ohms)*
- Signal-to-noise ratio: 104dB (reference rated power into 4 ohms)
- Frequency response: 10Hz – 100kHz (–3dB)
- Max power: 600 watts

* CEA-2006A-compliant

❶ Speaker Output Connectors

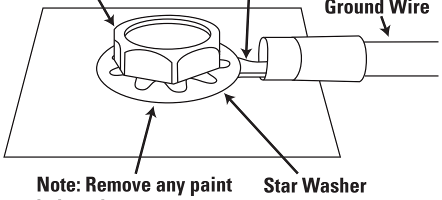
- Connect the speakers to these terminals, observing proper polarity.
  - Four-channel operation: Connect the front left speaker to the Front L+ and L– terminals, and the front right speaker to the Front R+ and R– terminals. Repeat for the rear speakers, using the Rear L+ and L– terminals, and the Rear R+ and R– terminals.
  - Three-channel operation: Connect the stereo speakers to the Front terminals, as above. Connect the single speaker into which the amplifier's rear channels will be bridged to the Rear R+ and Rear L– terminals.
  - Two-channel (bridged) operation: Connect one speaker to the Front R+ and Front L– terminals. Connect the other speaker to the Rear R+ and Rear L– terminals.
- Minimum speaker impedance for stereo operation is 2 ohms. Minimum speaker impedance for bridged operation is 4 ohms.

❷ Fuses

- Replace only with the same type and rating.

❸ Power Input Connectors

- +12V: Connect to the positive terminal of the vehicle's battery. 8 AWG wire is recommended. Install an appropriate fuse holder and fuse (75A minimum) within 18 inches of the battery. Make sure the wire is not damaged or pinched during installation. Install protective grommets when routing wires through the firewall or other sheet metal.
- GND: Connect to the vehicle's chassis. Refer to the picture below.



- REM: Connect to the "Remote Out" lead from the source unit or to a source of switched 12V+ (ACC).

❹ Aux Output Connectors (RCA)

- Summed, nonfiltered pass-through output. Front right and rear right inputs are combined and sent to the right AUX output. Front left and rear left inputs are combined and sent to the left AUX output. Connect to the input of an additional subwoofer amplifier.

❺ Front Input Connectors (RCA)

- Connect to the front RCA outputs from the source unit or signal processor.

❻ Front Input-Level Control

- Used to match the front input level of the amplifier to the output level of the source unit.
- See ⓱ for the adjustment procedure.

❼ Front Crossover-Frequency Control

- 12dB/octave crossover, variable from 32Hz to 320Hz.
- See ⓲ for the adjustment procedure.

❽ Front Crossover-Filter Selector

- LPF: Select for subwoofer(s).
- FLAT: Select for full-range speakers when no subwoofer will be used in the system.
- HPF: Select for midrange speakers or full-range speakers when a subwoofer is used in the system.

❾ Rear Bass-Boost Control

- Set the Bass-Boost control according to your preference, being careful not to apply enough boost to damage your speaker(s).

❿ Rear Band-Pass (BP) Switch

- If you will use the rear channels to drive a pair of separate mid-bass speakers, place this switch in the BP position. The front crossover frequency control will set the low-pass filter frequency and the rear crossover control will set the high-pass frequency. In BP mode, the rear crossover filter switch has no effect. Only the front inputs should be used in BP mode.

⓫ Rear Crossover-Filter Selector

- LPF: Select for subwoofer(s).
- FLAT: Select for full-range speakers when no subwoofer will be used in the system.
- HPF: Select for midrange speakers or full-range speakers when a subwoofer is used in the system.

⓬ Rear Crossover-Frequency Control

- 12dB/octave crossover, variable from 32Hz to 320Hz.
- See the adjustment procedure in ⓲.

⓭ Rear Input-Level Control

- Used to match the input level of the amplifier to the output level of the source unit.
- See ⓱ for the adjustment procedure.
- Also used to adjust the level of the mid-bass speakers when the BP switch is in the BP positon.

⓮ Rear Input Connectors (RCA)

- Connect to the rear RCA outputs from the source unit, or signal processor. Not used when the BP switch is in the BP position.

⓯ Power On LED

- Illuminated when the amplifier is on.

⓰ Protect LED

- Illuminated under any of the following fault conditions: battery over/under voltage, short circuit in speaker wires, amplifier is too hot, amplifier's output circuit has failed (DC voltage is present in the amplifier's output).

⓱ Setting Input Level

A Turn all Input-Level controls counterclockwise to 6V (minimum).
B With a dynamic music track playing, turn the head unit's volume control to the 3/4 position.
C Turn Front Input-Level control clockwise until the music is so loud that it no longer sounds clear (distortion is present in the output).
D Turn Front-Input-Level control counterclockwise gradually, just until the music sounds clear, once again.
E Front-Level input is now adjusted correctly.
F Adjust Rear Input-Level control so that the level of the rear speakers is proportionate to the level of the front speakers, according to your preference.

⓲ Setting the Crossover

A Crossover setting for 5" or larger full-range speakers when no subwoofer is included in the system.
B Crossover setting for full-range speakers when a subwoofer is included in the system.
C Crossover setting for subwoofers.
D Crossover setting for systems that include separate mid-bass speakers driven by the rear channels with the BP switch set to "BP."

Note: Acceptable frequency ranges are indicated in gray.

Декларация соответствия

Мы, Harman Consumer Group, Inc.
2, route de Tours
72500 Château du Loir
France

заявляем под свою ответственность, что изделие, описанное в этом руководстве пользователя, соответствует следующим техническим стандартам:

EN 55013:2001+A1:2003
EN 55020:2002+A1:2003

Klaus Lebherz
Harman Consumer Group, Inc.
Château du Loir, France 7/07

Konformitätserklärung

Wir, Harman Consumer Group, Inc.
2, route de Tours
72500 Château du Loir - Frankreich

erklären in eigener Verantwortung, dass das hier beschriebene Produkt folgenden Standards entspricht:
EN 55013:2001+A1:2003
EN 55020:2002+A1:2003

Klaus Lebherz
Harman Consumer Group, Inc.
Château du Loir, Frankreich 8/07

Harman Deutschland GmbH
Hünderstraße 1 * 74080 Heilbronn * Telefon: 07131 / 480 0
www.jbl-audio.de

Teile-Nr.: GTO1004OM 8/07

Declaration of Conformity

We, Harman Consumer Group, Inc.
2, route de Tours
72500 Château du Loir
France

declare in own responsibility that the product described in this owner's manual is in compliance with technical standards:
EN 55013:2001+A1:2003
EN 55020:2002+A1:2003

Klaus Lebherz
Harman Consumer Group, Inc.
Château du Loir, France 8/07

Harman Consumer Group, Inc.
250 Crossways Park Drive, Woodbury, NY 11797
www.jbl.com

Part No. GTO1004OM 8/07